NAD-Dependent Malic Enzyme (maeA) Escherichia Coli O157:h7 Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD-dependent malic enzyme (maeA), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O157:H7 NAD-dependent malic enzyme (maeA)
Product Gene Name	maeA recombinant protein
Product Synonym Gene Name	maeA
Sequence	MEPKTKKQRS LYIPYAGPVL LEFPLLNKGS AFSMEERRNF NLLGLLPEVV ETIEEQAERA WIQYQGFKTE IDKHIYLRNI QDTNETLFYR LVNNHLDEMM PVIYTPTVGA ACERFSEIYR RSRGVFISYQ NRHNMDDILQ NVPNHNIKVI VVTDGERILG LGDQGIGGMG IPIGKLSLYT ACGGISPAYT LPVVLDVGTN NQQLLNDPLY MGWRNPRITD DEYYEFVDEF IQAVKQRWPD VLLQFEDFAQ KNAMPLLNRY RNEICSFNDD IQGTAAVTVG TLIAASRAAG GQLSEKKIVF LGAGSAGCGI AEMIIAQTQR EGLSEEAARQ KVFMVDRFGL LTDKMPNLLP FQTKLVQKRE NLSDRDTDSD VLSLLDVVRN VKPDILIGVS GQTGLFTEEI IREMHKHCPR PIVMPLSNPT SRVEATPQDI IAWTEGNALV ATGSPFNPVV WKDKIYPIAQ CNNAFIFPGI GLGVIASGAS RITDEMLMSA SETLAQYSPL VLNGEGLVLP ELKDIQKVSR AIAFAVGKMA QQQGVAVKTS AEALQQAIDD NFWQAEYRDY RRTSI
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	63,133 Da
Sequence Positions	1-565, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q8XAS9
Species	Escherichia coli O157:H7
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for maeA recombinant protein	MBS1324375 is a recombinant protein targeting maeA. Also known as Recombinant Escherichia coli O157:H7 NAD-dependent malic enzyme (maeA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of maeA recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for maeA. It may not necessarily be applicable to this product.

NCBI GI #	229544782
NCBI GeneID	917295

NCBI Accession #	NP_310110.2
UniProt Primary Accession #	Q8XAS9
UniProt Secondary Accession #	Q7AE26
GenBank Nucleotide #	NC_002695.1
NCBI Official Full Name	malate dehydrogenase
NCBI Official Symbol	ECs2083
UniProt Protein Name	NAD-dependent malic enzyme
Protein Family	Macrophage erythroblast attacher
UniProt Gene Name	maeA
UniProt Synonym Gene Names	NAD-ME
NCBI Protein Information	malate dehydrogenase
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